

**ABSTRACT**

The present invention provides a gateway unit, a controlling method thereof and a communication system that realize a real-time  
5 network facsimile communication in a packet-PSTN network environment at a transmission speed set up between a facsimile apparatus and a partner terminal unit, wherein required network bandwidth corresponding to the transmission speed can be  
10 adjusted to be narrower than network bandwidth allocated by a gatekeeper unit.

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